

GOVERNMENT/INDUSTRY AERONAUTICAL CHARTING FORUM 00-02

November 30-December 1, 2000

Recommendation Document

SUBJECT: Airport Diagram Magnetic Variation Values.

BACKGROUND/DISCUSSION: Airport diagrams charted by both NACO and Jeppesen include a magnetic variation value provided by National Geodetic Survey. This magnetic variation value is currently set at the epoch year value of 1995. All magnetic bearings on the airport diagram include this variation value. This is creating confusion when compared to the instrument approach procedures that are designed with a Variation of Record. The Variation of Record is assigned to airports and facilities by AVN-160 IAW FAA Order 8260.19C paragraph 216. Even though the Variation of Record is printed in the National Flight Data Digest for airports and facilities, the information is only listed for facilities in the Airport/Facility Directory.

RECOMMENDATIONS: The Variation of Record be listed with the airport information in the Airport Facility Directory. Also, the airport diagram should either list the Variation of Record for the airport, or contain a warning statement that the magnetic variation used on the diagram may not agree with instrument procedure design.

COMMENTS: This recommendation affects all U. S. Terminal Procedures publications and Airport Facility Directory as well as charting specification handbooks.

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00-02 MEETING: This issue was submitted by Mr. Brad Rush, AVN-160. Mr. Rush points out that airport diagrams charted by both NACO and Jeppesen include a magnetic variation value provided by the National Geodetic Survey and these values are charted with an epoch value (currently 1995). In addition, he points out that all magnetic bearings on the airport diagram are charted based on this value. Mr. Rush states that this is a cause of confusion to pilots using instrument procedures which are developed using the Variation of Record value assigned to airports and facilities by AVN-160 IAW FAA Order 8260.19C paragraph 216. Currently on facility Variation of Record is published in the A/FD. Mr. Rush suggests that airport Variation of Record be published in the AFD. **ACTION:** AFS-420 and AFS-200.

01-01 MEETING: This issue was submitted by Mr. Brad Rush, AVN-160. Mr. Rush points out that airport diagrams charted by both NACO and Jeppesen include a magnetic variation value provided by the National Geodetic Survey and these values are charted with an epoch value (currently 1995). In addition, he points out that all magnetic bearings on the airport diagram are charted based on this value. Mr. Rush states that this is a cause of confusion to pilots using

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01-02 MEETING: This issue was submitted by Mr. Brad Rush, AVN-160. Mr. Rush points out that airport diagrams charted by both NACO and Jeppesen include a magnetic variation value provided by the National Geodetic Survey and these values are charted with an epoch value (currently 1995). In addition, he points out that all magnetic bearings on the airport diagram are charted based on this value. Mr. Rush states that this is a cause of confusion to pilots using instrument procedures which are developed using the Variation of Record value assigned to airports and facilities by AVN-160 IAW FAA Order 8260.19C paragraph 216. Currently on facility Variation of Record is published in the AFD. Mr. Rush suggests that airport Variation of Record be published in the AFD. Mr. Norm LeFevre stated that if we publish two magnetic variations, we might cause confusion. Mr. Norm LeFevre will include an explanation of airport diagram magnetic variation in the new charting AC 90 XX. He will also add a discussion of assigned variation for nav aids. **CLOSED**
